# UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, DC 20549

F	<b>DR</b>	$\mathbf{N}$	Q	-K
Г	JN	N V	1 O	-N

# **CURRENT REPORT**

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): March 8, 2023

# **SVB Financial Group**

(Exact Name of Registrant as Specified In Its Charter)

Delaware (State or other jurisdiction of incorporation) 001-39154 (Commission File Number) 91-1962278 (I.R.S. Employer Identification No.)

3003 Tasman Drive Santa Clara, California 95054-1191 (Address of principal executive offices) (Zip Code)

(408) 654-7400

(Registrant's telephone number, including area code)

	ck the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the wing provisions:
	Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
	Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
	Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
	Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
Secu	urities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading symbol(s)	Name of each exchange on which registered
Common Stock, par value \$0.001 per share	SIVB	The Nasdaq Stock Market LLC
Depositary Shares, each representing a 1/40th	SIVBP	The Nasdaq Stock Market LLC
interest in a share of 5.250% Fixed Rate Non-		

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 under the Securities Act (17 CFR 230.405) or Rule 12b-2 under the Exchange Act (17 CFR 240.12b-2).

Emerging growth company  $\square$ 

Cumulative Perpetual Preferred Stock, Series A

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.  $\Box$ 

### Item 7.01. Regulation FD Disclosure.

On March 8, 2023, SVB Financial Group (the "Registrant") announced a proposed public offering of \$1.25 billion of common stock, par value \$0.001 per share ("Common Stock"), and a separate proposed public offering of \$500 million of depositary shares ("Depositary Shares"), each representing a 1/20th interest in a share of its Series F Mandatory Convertible Preferred Stock, liquidation preference \$1,000 per share and par value \$0.001 per share (together, the "Offerings"). The Registrant also intends to grant the underwriters an option to purchase up to an additional 15% of each of the Offerings, solely to cover over-allotments in the case of the proposed offering of the Depositary Shares. The Offerings will not be cross-conditional, and will be conducted pursuant to the Registrant's effective shelf registration statement filed with the Securities and Exchange Commission. A press release announcing the Offerings is attached hereto as Exhibit 99.1 and is incorporated herein by reference. In addition, prior to commencing the Offerings, the Registrant entered into a subscription agreement with General Atlantic, a leading global growth equity investor, to purchase \$500 million of Common Stock at the public offering price in the offering of Common Stock in a separate private transaction. The subscription agreement with General Atlantic is contingent on the closing the Offering of Common Stock and is expected to close shortly thereafter.

In connection with the Offerings, the Registrant furnished a presentation containing a mid-quarter update for the quarter ending March 31, 2023 and an update on strategic actions, including the sale of substantially all of its AFS portfolio, and updated outlook, as well as a related investor letter. Attached hereto as Exhibit 99.2 is the mid-quarter update and Exhibit 99.3 is the investor letter which are incorporated herein by reference. The AFS portfolio sale, which was completed today, will result in an after-tax loss of approximately \$1.8 billion in the first quarter.

The information in this Item 7.01 shall not be treated as "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, nor shall it be deemed incorporated by reference into any registration statement or other document pursuant to the Securities Act of 1933 or the Securities Act of 1934, except as expressly stated by specific reference in such filing.

#### Forward-Looking Statements

This Current Report on Form 8-K contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements are subject to known and unknown risks and uncertainties, many of which may be beyond the Registrant's control. Forward-looking statements are statements that are not historical facts and generally can be identified by the use of such words as "becoming," "may," "will," "should," "could," "would," "predict," "potential," "continue," "anticipate," "believe," "estimate," "seek," "expect," "plan," "intend," the negative of such words or comparable terminology. Although SVB Financial Group believes that the expectations reflected in the Registrant's forward-looking statements are reasonable, the Registrant has based these expectations on its current beliefs as well as its assumptions, and such expectations may not prove to be correct. Because forward-looking statements relate to the future, they are subject to inherent uncertainties, risks and changes in circumstances that are difficult to predict and many of which are outside the Registrant's control. Forward-looking statements related to the Offerings and the Registrant's actual results of operations and financial performance could differ significantly from those expressed in or implied by the Registrant's forward-looking statements. The forward-looking statements included in this disclosure are made only as of the date of this disclosure. The Registrant does not intend, and undertakes no obligation, to update these forward-looking statements.

### Item 9.01. Financial Statements and Exhibits.

(d) Exhibits

Exhibit <u>Number</u>	<u>Description</u>
99.1	Press Release of SVB Financial Group Announcing Commencement of Offerings, dated March 8, 2023
99.2	Strategic Actions / Q1'23 Mid-Quarter Update, dated March 8, 2023
99.3	Investor Letter, dated March 8, 2023
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

# **SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

SVB Financial Group (Registrant)

Date: March 8, 2023 By: /s/ Daniel Beck

Name: Daniel Beck

Title: Chief Financial Officer



### SVB Financial Group Announces Proposed Offerings of Common Stock and Mandatory Convertible Preferred Stock

SANTA CLARA, Calif., March 8, 2023—SVB Financial Group ("SVB") (NASDAQ: SIVB), announced today that it intends to offer \$1.25 billion of its common stock and \$500 million of depositary shares, consisting of 10 million depositary shares each representing a 1/20th interest in a share of its Series F Mandatory Convertible Preferred Stock ("Preferred Stock"), liquidation preference \$1,000 per share (equivalent to a liquidation preference of \$50 per depositary share), in separate underwritten registered public offerings. In addition, prior to commencing the offerings, SVB entered into a subscription agreement with General Atlantic, a leading global growth equity investor, to purchase \$500 million of common stock at the public offering price in the offering of common stock in a separate private transaction. The subscription agreement with General Atlantic is contingent on the closing the offering of common stock and is expected to close shortly thereafter. SVB also intends to grant (i) the underwriters in the common stock offering an option to purchase up to an additional \$187.5 million of common stock and (ii) the underwriters in the Preferred Stock offering an over-allotment option to purchase up to an additional \$75 million, or 1.5 million depositary shares in the Preferred Stock offering. SVB intends to use the net proceeds from the offerings for general corporate purposes. The consummation of each offering is not contingent upon the consummation of the other offering.

Additionally, earlier today, SVB completed the sale of substantially all of its available for sale securities portfolio. SVB sold approximately \$21 billion of securities, which will result in an after tax loss of approximately \$1.8 billion in the first quarter of 2023.

Goldman Sachs & Co. LLC and SVB Securities will act as book-running managers for each offering.

Each offering is being made pursuant to an effective shelf registration statement, including a prospectus and a separate prospectus supplement, filed by SVB with the U.S. Securities and Exchange Commission ("SEC"). Investors should read the prospectus in that registration statement, the applicable prospectus supplement and other documents SVB has filed with the SEC for more complete information about SVB and the relevant offering before investing. These documents may be obtained for free by visiting the SEC website at www.sec.gov. Alternatively, for each offering, SVB, any underwriter or any dealer participating in the offering will arrange to send you the prospectus contained in the registration statement, together with the applicable prospectus supplement, if you request it by contacting Goldman Sachs & Co. LLC at 200 West Street, New York, NY 10282, Attention: Prospectus Department, telephone: 1-866-471-2526, facsimile: 212-902-9316 or by emailing prospectus-ny@ny.email.gs.com. This press release is for informational purposes only and does not constitute an offer to sell, or a solicitation of an offer to buy, these securities, nor shall there be any sale of these securities in any state or jurisdiction in which such an offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such state or jurisdiction.

### About SVB

SVB is the financial partner of the innovation economy, helping individuals, investors and the world's most innovative companies achieve their ambitious goals. SVB's businesses—Silicon Valley Bank, SVB Capital, SVB Private and SVB Securities—together offer the services that dynamic and fast-growing clients require as they grow, including commercial banking, venture investing, wealth planning and investment banking. Headquartered in Santa Clara, California, SVB operates in centers of innovation around the world.

SVB Financial Group (SVB) (Nasdaq: SIVB) is the holding company for all business units and groups. © 2023 SVB Financial Group. All rights reserved. SVB, SVB FINANCIAL GROUP, SILICON VALLEY BANK, SVB SECURITIES, SVB PRIVATE, SVB CAPITAL and the chevron device are trademarks of SVB Financial Group, used under license. Silicon Valley Bank is a member of the FDIC and the Federal Reserve System. Silicon Valley Bank is the California bank subsidiary of SVB Financial Group. [SIVB-F]

### **Forward-Looking Statements**

This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements are subject to known and unknown risks and uncertainties, many of which may be beyond SVB Financial Group's control. Forward-looking statements are statements that are not historical facts and generally can be identified by the use of such words as "becoming," "may," "will," "should," "could," "predict," "potential," "continue," "anticipate," "believe," "estimate," "seek," "expect," "plan," "intend," the negative of such words or comparable terminology. Although SVB Financial Group believes that the expectations reflected in SVB Financial Group's forward-looking statements are reasonable, SVB Financial Group has based these expectations on its current beliefs as well as its assumptions, and such expectations may not prove to be correct. Because forward-looking statements relate to the future, they are subject to inherent uncertainties, risks and changes in circumstances that are difficult to predict and many of which are outside SVB Financial Group's control. Forward-looking statements related to the offerings and SVB Financial Group's actual results of operations and financial performance could differ significantly from those expressed in or implied by SVB Financial Group forward-looking statements. The forward-looking statements included in this disclosure are made only as of the date of this disclosure. SVB Financial Group does not intend, and undertakes no obligation, to update these forward-looking statements.

SOURCE: SVB Financial Group

### **Media Contacts**

Investor Relations SVB Financial Group ir@svb.com



## Disclaimer

The issuer has filed an automatic shelf registration statement (including a prospectus) with the SEC, which is effective. The issuer has also filed a preliminary prospectus supplement with the SEC for the offerings to which this communication relates. Before you invest, you should read the preliminary prospectus supplement (and, when available, the final prospectus supplement for the relevant offering) and the accompanying prospectus and other documents the issuer has filed with the SEC for more complete information about the issuer and the offerings. You may get these documents for free by visiting EDGAR on the SEC website at <a href="https://www.sec.gov">www.sec.gov</a>. Alternatively, these documents may be obtained from Goldman Sachs & Co. LLC at 200 West Street, New York, NY 10282, Attention: Prospectus Department, telephone: 1-866-471-2526, facsimile: 2/2-902-9316 or by emailing prospectus-ny@ny.email.gs.com.

#### This document should be read in conjunction with the Company's SEC filings

#### orward-Looking Statement

This presentation contains forward-looking statements within the meaning of the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. Forward-looking statements are subject to known and unknown risks and uncertainties, many of which may be beyond our control. Forward-looking statements are statements that are not historical facts, such as forecasts of our future financial results and condition, expectations for our operations and business, and our underlying assumptions of such forecasts and expectations. In addition, forward-looking statements generally, expectations, and business, and our underlying assumptions of such forecasts and expectations, in addition, forward-looking statements generally, expectations, expectations for our operations, and business, and our underlying assumptions of such forecasts and expectations, the such assumptions of such forecasts and expectations, the properties of the such assumptions of such assumptions of such assumptions of such assumptions. The such assumption of the such assumptions of such assumptions. The such assumption of the such assumptions of such assumptions of such assumptions of such assumptions. The such assumption of such assumptions of such assumptions of such assumptions of such assumptions. The such assumption of such assumptions of such assumptions of such assumptions of such assumptions. The such assumption of such assumptions of such assumpt

operations, economic consistents, Opportunities in the market; the cumook on our clients performance, our instruction, credit, and operations, economic consistents, opportunities in the market; the cumook on our clients performance, our instruction, credit, and operation of the certification of the control of the certification of the certifica

We refer you to the documents the Company files from time to time with the Securities and Exchange Commission, including (i) our latest Annual Report on Form 10-K, (ii) our most recent Quarterly Report on Form 10-Q, and (iii) our most recent and identify important risk factors that could cause the Company's actual results to differ materially from those contained in our projections or other forward-looking statements. All forward-looking statements all forward-looking statements all forward-looking statements could be assumed to begin a seasume no beligation and do not intend to revise or made only as of the date of this presentation. We assume no beligation and do not intend to revise or date and the support of the presentation we company and the presentation are contained in this presentation. We assume no beligation and do not intend to revise or date and the presentation we capte as required by law.

#### Use of Non-GAAP Financial Measures

To supplement our financial disclosures that are presented in accordance with GAAP, we use certain non-GAAP measures of financial performance (including, but not limited to, non-GAAP core fee income, non-GAAP SVB Securities revenue, non-GAAP svb Securities revenue, non-GAAP not gains on investment securities, non-GAAP non-marketable and other equity securities net of investments in qualified affordable housing projects and noncontrolling interests in non-marketable securities, and non-GAAP interests in non-marketable securities, and non-marketable securities, and non-marketable securities, non-GAAP interests in non-marketable securities, and non-marketable securities, non-GAAP interests in macustry. Non-GAAP interests in macustry in non-marketable securities, and non-marketable securities, non-GAAP inancial measures are not non-marketable securities, and non-marketable securities, non-GAAP inancial measures are not non-marketable securities, and non-marketable securities, and non-marketable securities, and n

We believe that these non-GAAP financial measures, when taken together with the corresponding GAAP financial measures (as applicable), provide meaningful supplemental information regarding our performance by; (i) excluding amounts attributable to noncontrolling interests for which we effectively do not receive the economic benefit or cost of, where indicated, or (ii) providing additional information used by management that is not otherwise required by GAAP or other applicable requirements. Our management uses and believes that investors benefit from referring to, these non-GAAP financial measures as to radiaths a comparison of our performance to prior periods. We believe these measures are frequently used by securities analysts, investors and other interested parties in the evaluation of comparies in our industry. However, these non-GAAP financial measures should be considered in addition to, not as a substitute to or superior to, net income or other financial measures should be considered in addition to, not as a substitute to or superior to, net income or other financial measures should be considered in addition to the non-GAAP financial measures to the non-GAAP financial measures used in this presentation, or a reconciliation of the non-GAAP calculation of the non-GAAP calculation of the non-GAAP calculation of the non-GAAP resonancial measures used in this presentation, or a reconciliation of the non-GAAP calculation of the non-GA



STRATEGIC ACTIONS/

# Contents

- 4 Overview of strategic actions
- 15 Q1'23 mid-quarter performance update
- 20 About SVB
- 28 Non-GAAP reconciliations

<dvs

Q1'23 MID-QUARTER UPDAT

3



# Strategic actions to strengthen our financial position and enhance profitability and financial flexibility now and in the future

- Today, we took strategic actions to strengthen our financial position repositioning SVB's balance sheet to
  increase asset sensitivity to take advantage of the potential for higher short-term rates, partially lock in
  funding costs, better protect net interest income (NII) and net interest margin (NIM), and enhance profitability.
- We have sold substantially all of our Available for Sale (AFS) securities portfolio with the intention of
  reinvesting the proceeds, and commenced an underwritten public offering, seeking to raise approximately
  \$2.25 billion between common equity and mandatory convertible preferred shares. As a part of this capital
  raise, General Atlantic, a leading global growth equity fund and longstanding client of SVB, has committed to
  invest \$500 million on the same economic terms as our common offering.
- Our financial position enables us to take these strategic actions, which are intended to further bolster that
  position now and over the long term.
- We are taking these actions because we expect continued higher interest rates, pressured public and private markets, and elevated cash burn levels from our clients as they invest in their businesses.
- We are experienced at navigating market cycles and are well positioned to serve our clients through market volatility, with a high-quality, liquid balance sheet and strong capital ratios.



STRATEGIC ACTIONS/

# Strategic actions to reposition balance sheet for current rate environment

AFS Portfolio Sale	AFS Sale Size	\$21 billion	
	Securities Sold	US Treasuries and Agency securities	Intended be
	Yield of Securities Sold	1.79% 3.6-year Duration	Estimate
	Preliminary Estimated Realized Loss <sup>1</sup>	\$(1.8) billion (after-tax)	in annua
	Common Stock	\$1.25 billion	✓ Increase sensitivit
Capital Offerings (Base Size)	Concurrent Private Placement	\$500 million commitment from General Atlantic to purchase restricted common stock at the public offering price in a separate private transaction	✓ Immedia realized
	Mandatory Convertible Preferred Stock	\$500 million	forward <sup>1</sup>
Net Capital Ratio Impact	SVBFG CET1 Ratio <sup>2</sup>	+0.15%	✓ Attractiv approxin
Actions to Increase Asset Sensitivity <sup>3</sup>	Increase Fed cash	Increase Fed cash target to 4-8% of total deposits (from 4-6%)	✓ Maintain
	Partially lock-in term funding <sup>3</sup>	Increase term borrowings from \$15B to \$30B Hedge with forward starting swaps <sup>3</sup>	✓ Partially liquidity
	Reconstruct AFS portfolio <sup>3</sup>	Buy short-duration USTs <sup>3</sup> Hedge with receive-floating swaps <sup>3</sup>	

### enefits:

# ed +\$450M improvement alized NII (post-tax)<sup>1, 3, 4</sup>

- e balance sheet flexibility and asset
- ately accretive to EPS (excluding l loss) and improves ROE going
- ive net pay-back period of imately 3 years<sup>1, 3, 4, 5</sup>
- n strong capital ratios
- y lock-in funding costs and enhance

- 1. Based on sale of \$21B AFS securities executed on March 8, 2023.
  2. Assumes successful offering of \$1.75 billion in common stock inclusive of concurrent private placement.
  3. "Actions to increase asset sensitivity" supporting estimated Nil improvement are in progress and not yet completed.
  4. These measures are forward-looking; are subject to significant business, economic, regulatory and competitive uncertainties and contingencies, many of which are beyond the control of the Company and its management; and are based upon assumptions with respect to future decisions, which are subject to change. Actual results may vary and those variations may be material. See Recent Developments on page 14 of this presention regarding potential Moody's ratings actions. Please also refer to "Forward-Looking Statements" in this presentation and our "Risk Factors," under Part I, Item 1A of our latest Annual Report on Form 10-K for other factors that may cause our results to differ materially from the expectations presented in our outlook.

  5. Net pay-back period is inclusive of estimated \$165M annualized economic tax loss benefit from AFS Portfolio Sale. Assumes economic tax loss benefit is recognized over the duration of the securities sold.



# Common stock offering summary

Issuer	SVB Financial Group ("SVB" or the "Company")
Exchange/Ticker	NASDAQ / SIVB
Base Offering Size	\$1.25 billion
Concurrent Private Placement	\$500 million commitment from General Atlantic to purchase restricted common stock at the public offering price in a separate private transaction
Composition	100% primary
Greenshoe	15% on base offering (all primary)
Lock-Up Agreement	60 days for the Company and Directors & Executive Officers
Active Bookrunners	Goldman Sachs & Co. LLC, SVB Securities
Expected Pricing	March 9, 2023 (Post-Close)



# Mandatory convertible preferred stock offering summary

SVB Financial Group ("SVB" or the "Company")
NASDAQ / SIVB
\$500 million
Depositary shares each representing a 1/20 <sup>th</sup> interest in a share of mandatory convertible preferred stock (\$1,000 liquidation preference per share of preferred stock)
100% primary
6.00 - 6.50%
20.0 – 25.0%
15% (all primary)
60 days for the Company and Directors & Executive Officers
Goldman Sachs & Co. LLC, SVB Securities
March 9, 2023 (Post-Close)



# Actions in progress increase asset sensitivity, positioning SVB to benefit from higher rates and better protect against market volatility

# **Increasing floating rate exposure**



Sold \$21B fixed rate AFS securities



Increased Fed Cash target to 4-8% of total deposits (from 4-6%)



Reconstruct AFS portfolio with short-duration fixed rate USTs



Hedge AFS portfolio with receive-floating swaps

## Protecting against higher funding costs

Completed (



Increased term borrowings from \$15B (12/31/22) to \$30B



Hedge term borrowings to lock-in borrowing costs

Partially locking in funding costs to better protect NII against rising rates and risk of further NIB declines if slow fundraising environment and elevated cash burn trends persist

Assumes dynamic balance sheet based on 1/19/23 FY'23 outlook<sup>2</sup>

Assumes dynamic balance sheet based on actions above and current FY'23 outlook<sup>2</sup>

Estimated change in annualized pre-tax NII per each 25 bp increase in rates<sup>1</sup>

- \$15M to +\$5M

+ \$50M to +\$60M



 Expected 12-month impact of a +25 bp rate shock on net interest income. Management's sensitivity analysis assumes an instantaneous and sustained parallel shift in rates.

Actual results may differ. See page 19 for more information on 1/19/23 FY'23 outlook and current FY'23 outlook.

# Our financial position enables us to take these strategic actions



# **Ample liquidity**

- High-quality, liquid balance sheet with very low loan-to-deposit ratio
- Multiple levers to manage liquidity position to sustain a continued slowdown



# Strong capital

 Strong capital ratios provide solid foundation to navigate shifting economic conditions while investing in our business



# Strong credit track record and asset quality

- Strong credit performance throughout cycles
- Vast majority of assets in high-quality investments and cycle-tested low credit loss lending\*
- Deep bench of recession-tested leaders supported by strong global team



04100

\* Based on cash, fixed income investment portfolio and Global Fund Banking and Private Bank loan portfolios.

# Ample liquidity + flexibility to manage our liquidity needs

# Levers to support liquidity (February 28, 2023 balances, unless otherwise noted)

Fed cash upper range ~\$15B	Fed cash target of 4-8% of total deposits <sup>1</sup>	
HTM Securities cashflows ~ \$1.5-2.5B	Estimated HTM securities paydowns/quarter	~\$180B
Flexible on- vs. off-balance sheet liquidity solutions and deposit pricing strategies  \$73B\$	Off-balance sheet sweep and repo funds (OBS balances that can potentially be shifted on-balance sheet to support deposits)	to sustain prolonged slow fundraising environment +
\$95B Borrowing capacity \$65B	Total capacity (primarily FHLB and repo) Available capacity after increasing term borrowings from \$15B (12/31/22) to \$30B (3/8/23) <sup>2</sup>	elevated client cash burn, while continuing to support clients' borrowing activities
Reconstructed AFS portfolio <sup>3</sup> ~ \$25B	Short duration USTs (in progress)	



Note: These measures are forward-looking: are subject to significant business, economic, regulatory and competitive uncertainties and contingencies, many of which are beyond the control of the Company and its management; and are based upon assumptions with respect to future decisions, which are subject to change. Actual results may vary and those variations may be material. See Recent Developments on page 14 of this presentation regarding potential Moody's ratings actions. Please also refer to "Forward-Looking Statements" in this presentation and our "Risk Factors," under Part I, Item 1A of our latest Annual Report on Form 10-K for other factors that may cause our results to differ materially from the expectations presented in our outlook.

1. Actual cash balances depend on timing of fund flows.
2. Term borrowings to be hedged with floward starting swaps to lock-in borrowing costs (in progress).
3. AFS portfolio reconstruction includes sale of \$21B AFS securities executed on March 8, 2023 and reinvestment in short-duration USTs, hedged with receive-floating swaps.

# Our already high-quality, liquid balance sheet will be further enhanced by strategic actions to reposition balance sheet

All figures as of 12/31/22 and do not include impact of strategic actions

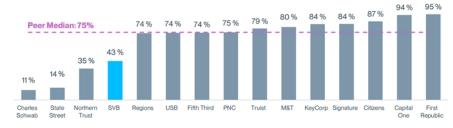
# 62% of assets in cash and high-quality fixed income securities

Vast majority of fixed income securities in USTs and securities issued by government-sponsored enterprises



# 43% loan to deposit ratio

- among the lowest of peers\*





\* Peers represented by peer group as reported in our 2023 Preliminary Proxy Statement

# High-quality loan mix: 70% of loans in low-credit-loss portfolios



Closely monitoring loans given increased recession risk

Low

credit loss

portfolios

## Expect continued strong credit performance

### Global Fund Banking

- Primarily PE/VC capital call lines of credit secured by LP capital commitments
- Only 1 net loss since inception

### Private Bank

· Primarily low LTV mortgages to innovation economy influencers and legacy Boston Private high net worth clients

# Watching portfolio-specific risks

#### Premium Wine

- · Loans to premium wine producers and vineyards
- Typically secured by high-quality real estate with low LTVs

### Other C&I

· Working capital, revolving lines of credit and term loans to non-innovation companies and non-profits

#### CRE

- · Acquisition financing for CRE properties
- Well-margined collateral

## More sensitive to market correction

#### Cash Flow Dependent -Sponsor-Led Buyout

- · Loans to facilitate PE Sponsors' acquisition of businesses
- Reasonable leverage and meaningful financial covenants

# Innovation C&I

 Cash flow or balance sheet dependent loans to later- and corporate-stage innovation companies

# **Growth Stage**

Loans to mid-stage and later-stage innovation companies with over \$5M in revenues

# Early Stage Loans to development-stage innovation companies with \$0-5M in revenues

- · Historically our highest risk
- portfolio

Larger loan sizes may introduce greater volatility in credit metrics



Clients generally have stronger balance sheets vs. previous cycles from record VC investment in 2020-2021



Note: Percentages indicate percent of total loans as of 12/31/22

Technology & Life Science / Healthcare

Low credit loss portfolios ----

As of 12/31/22 Total loans

# Strong capital position - well-above regulatory minimums and peers

# **SVBFG** pro forma capital ratios

(includes impact of AFS securities sale and capital issuance) 1,2

Silicon Valley Bank pro forma capital ratios

(includes impact of AFS securities sale)1





# **Recent developments**

with Moody's, who we understand are in the process of considering potential ratings actions with respect negative outlook, a downgrade of one or potentially two notches and/or placing our ratings on review for such a downgrade. In addition, it is possible that S&P also takes action, which could include a downgrade. Although the capital offerings and the AFS improve our profile under rating agency criteria, an adverse ratings at any time, including prior to closing.



Capital ratios as of December 31, 2022 adjusted to include impact of sale of \$21B AFS securities executed on March 8, 2023.
 Assumes offering proceeds of \$1.75 billion in CET1 qualifying capital for SVBFG. No capital contributions from SVBFG to Silicon Valley Bank assumed.
 As of December 31, 2022 (unadjusted).
 Peers represented by peer group as reported in our 2023 Preliminary Proxy Statement.



# Q1'23 mid-quarter performance update

Reflects preliminary results as of and through February 28, 2023 and does not reflect the impact of the sale of substantially all of the AFS portfolio securities except as noted. Our registered independent public accounting firm has not reviewed or performed any procedures, and cannot provide any assurance, with respect to these mid-quarter results. Mid-quarter results are not necessarily indicative of future results as of and for the quarter ending March 31,2023 or for any future period. Actual results will depend on completion of the quarter and finalizing of financial data. Actual quarterly results may differ materially.

# Elevated client cash burn pressuring balance of fund flows

## As expected, slowing VC deployment has reduced client fund inflows QTD

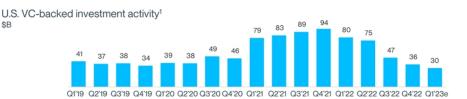
· Q1'23 U.S. VC investment is on track to decline 15-20% vs. Q4'22, in-line with our expectations

## We had expected modest, progressive declines in client cash burn, but burn has not moderated QTD, pressuring the balance of fund flows

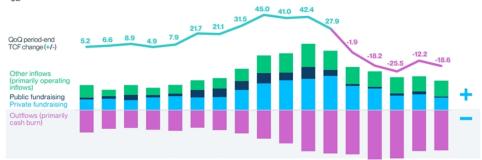
 Client cash burn remains ~2x higher than pre-2021 levels and has not adjusted to the slower fundraising environment<sup>2</sup>

## **Current 2023 expectations**

- · Cash burn remains elevated for 1H'23, with modest declines in 2H'23
- Still expect ~\$120-140B of U.S. VC investment in 20233



QoQ period-end total client funds ("TCF") by client activity (management's approximation)<sup>2</sup>



Q1'19 Q2'19 Q3'19 Q4'19 Q1'20 Q2'20 Q3'20 Q4'20 Q1'21 Q2'21 Q3'21 Q4'21 Q1'22 Q2'22 Q3'22 Q4'22 Q1'23e



Note: OT23 estimates include January and February actuals and estimates for March. Data is preliminary and is subject to change.

1. VC data sourced from PitchBook, Prior period investment data may be revised based on updates to Pitchbook's proprietary back-end data set and filters.

2. Determination of TCF changes by client activity is an illustrative approximation based on management assumptions and analysis of SVB client and PitchBook data: assumes each client's total change in period-end balances is attributed to one of the following activities: fundraising, other inflows or outflows. Prior period estimates may be revised based on updates to management assumptions and analysis.

3. Management's analysis.

# While the fundamentals of our business remain healthy, the challenging market and rate environment has pressured QTD performance, with implications to our 2023 outlook

2/28/23 QTD financial highlights

Average client funds \$169B Deposits \$165B OBS

**EOP** client funds \$165B Deposits \$161B OBS

Average loans

**EOP** loans

Net interest income<sup>1</sup>

Net interest margin

**SVB Securities** Core fee income<sup>2</sup> revenue2,3

Continued underlying momentum

Strong client engagement

Helping clients navigate current market conditions

Strong core fee income

Consistent with expectations; higher rate environment supporting client investment fee margins

**Healthy Tech borrowing** 

Clients continue to opt for debt over raising equity at pressured valuations

Credit within guidance

NCO outlook unchanged

Record PE/VC dry powder

Global PE/VC funds have over \$2.6T dry powder to



Net interest income presented on a fully taxable equivalent basis.
 Non-GAAP financial measure. See "Use of non-GAAP Financial Measures" and our non-GAAP reconciliations at the end of this presentation.
 Represents investment banking revenue and commissions.

4. Source: Pregin. Global VC dry powder was \$0.6T and global PE dry powder was \$2.0T as of January 3, 2023.

# Updated Q1'23 outlook

Outlook includes expected changes to Fed Funds rates<sup>1</sup>

Business driver	1/19/23 Q1'23 expectations	Current Q1'23 expectations (excludes AFS sale)
Average loans	~ \$74-76B	~\$73-75B
Average deposits	~ \$171-175B	~\$167-169B
Net interest income <sup>2</sup>	~ \$925-955M	~\$880-900M
Net interest margin	~ 1.85-1.95%	~ 1.75-1.79%
Net loan charge-offs	~ 0.15-0.35%	No change
Core fee income <sup>3,4</sup>	~ \$325-350M	No change
SVB Securities revenue <sup>3,5</sup>	~ \$125-150M	\$100-\$120M
Noninterest expense excluding merger-related charges <sup>6</sup>	~ \$910-940M	\$885-905M
Effective tax rate	~ 26-28%	No change

Q1'23 impact of	AFS sale
AFS Portfolio Sold	~ \$21B
Preliminary Estimated Realized Loss <sup>7</sup>	~ \$1.8B After-Tax Impact
Yield of Securities Sold	<b>~ 1.79%</b> 3.6-Year Duration

Note: These measures are forward-looking: are subject to significant business, economic, regulatory and competitive uncertainties and contingencies, many of which are beyond the control of the Company and its management; and are based upon assumptions with respect to future decisions, which are subject to change. Actual results may vary and those variations may be material. See Recent Developments on page 14 of this presentation regarding potential Moody's ratings actions. Please also refer to "Forward-Looking Statements" in this presentation and our "Risk Factors," under Part I, Item 14.0 of un Iteats Annual Report on Form 10-K for other factors that may cause our results to differ materially from the expectations presented in our outlook. We do not regularly provide quarterly expectations but may do so from time to time, as needed.

1. Y19/23 and ourrent (12'3 expectations assume Fod Funds rate of 4.75% in February and 5.00% in March.

2. NINI guidance excludes fully taxable equivalent adjustments.

3. Non-GAPF inancial measure. See "Use of non-GAPF Financial Measures" and our non-GAPP reconciliations at the end of this presentation.

4. Excludes SVB Securities revenue.

5. Represents investment barking revenue and commissions.

6. Excludes pre-tax merger-related charges related to acquisition of Boston Private (estimated \$5-10M in Q1'23).

7. Based on sale of \$21B AFS securities executed on March 8, 2023.

svb>

# Updated FY'23 outlook

Outlook includes expected changes to Fed Funds rates<sup>1</sup>

			-
Business driver	FY'22 results	1/19/23 FY'23 vs. FY'22 outlook	Current FY'23 vs. FY'22 outlook (excludes AFS sale)
Average loans	\$70.3B	Low double digits % growth	High single digits % growth
Average deposits	\$185.7B	Mid single digits % decline	Low double digits % decline
Net interest income <sup>2</sup>	\$4,522M	High teens % decline	Mid thirties % decline
Net interest margin	2.16%	1.75-1.85%	1.45% - 1.55%
Net loan charge-offs	0.10%	0.15-0.35%	No change
Core fee income <sup>3,4</sup>	\$1,181M	Low teens % growth	High teens % growth
SVB Securities revenue <sup>3,5</sup>	\$518M	\$540-590M	\$480-\$530M
Noninterest expense excluding merger-related charges <sup>6</sup>	\$3,571M	Low single digits % growth	No Change
Effective tax rate	25.2%	26-28%	No change

Impact of AFS Sale and actions to increase asset sensitivity <sup>7</sup>		
Improvement in annualized NII	+ \$450M (post-tax)	
FY'23 NII outlook with AFS sale	Low twenties % decline	
FY'23 NIM outlook with AFS sale	~1.65-1.75%	
ROE <sup>8</sup>	+~2%	
EPS	Accretive Immediately (excluding realized loss)	

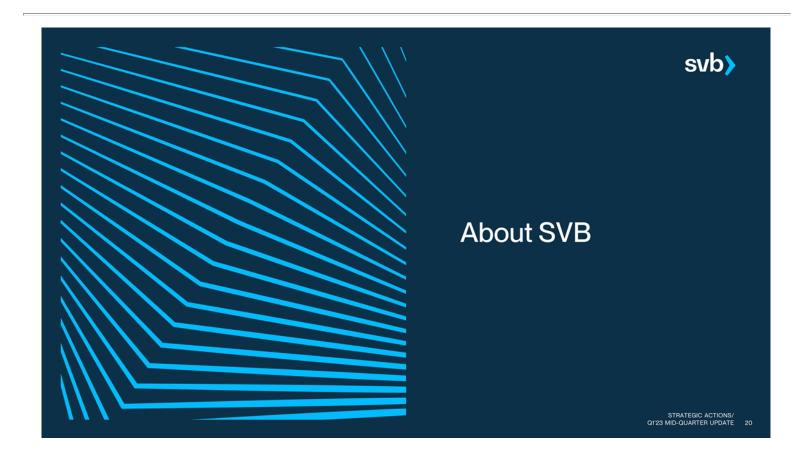
Note: These measures are forward-looking: are subject to significant business, economic, regulatory and competitive uncertainties and contingencies, many of which are beyond the control of the Company and its management; and are based upon assumptions with respect to future decisions, which are subject to change. Actual results may vary and those variations may be material. See Recent Developments on page 14 of this presentation regarding potential Moody's ratings actions. Please also, or feet to "Forward-Looking Statements" in this presentation and our risks Factors, under Part I, them 14 of our latest Annual Report on Form 10-4 for other factors that many cause our results to differ materially from the expectations presented in our outlook.

1.1/19/23 FY23 outlook assumes Fed Funds rate of 4.75% in February and 5.00% in March. Current Q123 expectations assume Fed Funds at 5.00% in May and 5.50% in

svb>

- June.
  2 NII is presented on a fully taxable equivalent basis, while NII guidance excludes fully taxable equivalent adjustments.
  3. Non-GAAP financial measure. See "Use of non-GAAP Financial Measures" and our non-GAAP reconciliations at the end of this presentation.
  4. Excludes SVB Securifies revenue.
  5. Represents investment banking revenue and commissions.
  6. Excludes pre-tax merger-related charges related to acquisition of Boston Private (\$50M incurred in FY'22, estimated \$10-15M for FY'23).
  7. Based on sale of \$21B AFS securifies executed on March 8, 2023 and "Actions to increase asset sensitivity" (see page 6). "Actions to increase asset sensitivity" supporting estimated
  NII improvement are in progress and not yet completed.
  8. Assumes successful offering of \$1.75B in common stock, and \$500M mandatory convertible preferred stock.





# Trusted financial partner of the global innovation economy

svb)

svb)

Private banking and wealth management

For nearly 40 years, we have helped the world's most innovative companies, their people and investors achieve their ambitious goals

svb)

svb)

## Meeting innovation clients' unique needs at all stages

Technology & Life Sciences/Healthcare

















Leveraging the combined power of our four core businesses to help clients navigate volatile markets

## We bank:

# **Nearly** Half

2022 U.S. venture-backed technology and life science companies\*

44%

2022 U.S. venture-backed technology and healthcare IPOs\*























# Long-term tailwinds supporting the innovation economy remain intact

U.S. VC investment, company formation and the Digital Economy's share of GDP









# Innovation drives economic growth

• The innovation economy grew at 2.4x the rate of the overall U.S. economy between 2000-20201, and COVID-19 has since accelerated digital adoption

## Great companies are founded across business cycles

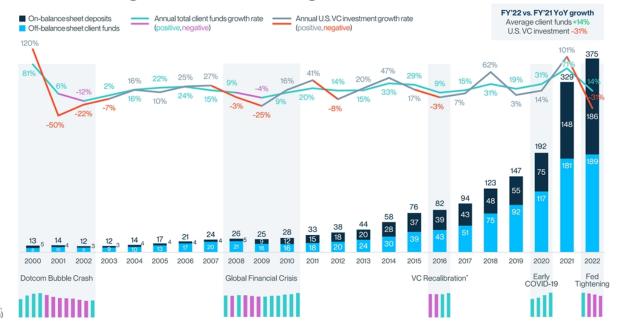
• 127 unicorns were founded during the Global Financial Crisis and 64 during the VC recalibration4

## The innovation economy is better-positioned today to weather a downturn than in past cycles

- The innovation economy was 3.5x larger in 2020 than 20001
- PE and VC firms globally have \$2.6T dry powder to invest, 8.7x more than in 2000<sup>5</sup>

# Robust client funds growth over the long term

client funds ("TCF") \$B



Quarterly average TCF (positive growth, negative growth) svb)

Note: VC investment data sourced from PitchBook. Prior period investment data may be revised based on updates to Pitchbook's proprietary back-end data set and filters.
 Pullback in VC investment.

# Robust client funds franchise, with flexibility to shift liquidity on or off the balance sheet

Comprehensive liquidity management solutions to meet clients' needs, on or off balance sheet

Noninterest-bearing deposits Interest-bearing deposits Off-balance sheet managed funds Off-balance sheet sweep funds Off-balance sheet repo funds



Clients' operating cash typically held in on-balance sheet noninterest-bearing deposits

Clients' excess liquidity generally held in on-balance sheet interest-bearing deposits or off-balance sheet client funds

Leveraging flexible liquidity solutions that enable us to shift client funds on or off balance sheet to support deposits

\$73B

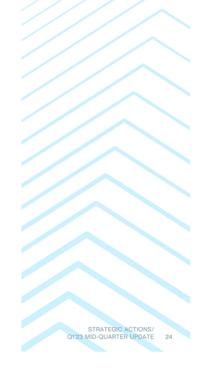
Off-balance sheet sweep and repo funds

OBS balances that can potentially be shifted on-balance sheet

svb>

Note: All figures as of February 28, 2023.

When client funds growth normalizes, we can utilize our flexible liquidity solutions to optimize our deposit costs and mix by shifting higher-rate deposits off-balance sheet



# We've successfully navigated economic cycles before

# **Proven leadership** supported by strong global team

# 13 years

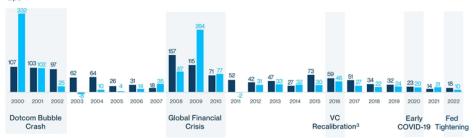
Executive management average tenure at SVB

# 24 years

Credit leadership average tenure at SVB

# Long history of strong, resilient credit and the risk profile of our loan portfolio has improved over time

Non-performing loans (NPLs1) & net charge-offs (NCOs2)



#### Improved loan mix % of period-end total loans

2000	2009	12/31/22
30% Early Stage	11% Early Stage	3% Early Stage
5% GFB + Private Bank	30% GFB + Private Bank	70% GFB + Private Bank

- Non-performing loans as a percentage of period-end total loans.
   Net loan charge-offs as a percentage of average total loans.
   Pullback in VC investment.

# Improved risk profile over time, with loan growth driven by lowest risk loan portfolios

70% of loans in Global Fund Banking and Private Bank, portfolios with lowest historical credit losses



Early Stage Investor Dependent ("ID") loans, our highest risk loan portfolio, now only 3% of total loans, down from 11% in 2009 and 30% in 2000

### Early Stage ID % of total loans





# Strong, seasoned management team

Diverse experience and skills to help direct our growth



13 years average tenure at SVB



Dan Beck Chief Financial Officer 5 years at SVB



Greg Becker
President and CEO
29 years at SVB



Marc Cadieux Chief Credit Officer 30 years at SVB



John China President SVB Capital 26 years at SVB



Phil Cox Chief Operations Officer 13 years at SVB



Laura Cushing Chief Human Resources Officer Joined SVB 2022



Mike Descheneaux President Silicon Valley Bank 17 years at SVB



Michelle Draper Chief Marketing & Strategy Officer 9 years at SVB



Jeffrey Leerink
CEO SVB Securities
4 years at SVB



Kim Olson Chief Risk Officer Joined SVB 2022



John Peters Chief Auditor 16 years at SVB



Michael Zuckert
General Counsel
8 years at SVB
STRATEGIC ACTIONS/
Q1'23 MID-QUARTER UPDATE 27



# Non-GAAP reconciliation Core fee income and SVB Securities revenue

Non-GAAP core fee income and SVB Securities revenue (dollars in millions)	Quarter to Date February 28, 2023
Client investment fees	98
Wealth management and trust fees	12
Foreign exchange fees	40
Credit card fees	23
Deposit service charges	22
Lending related fees	20
Letters of credit and standby letters of credit fees	9
Total non-GAAP core fee income	224
Investment banking revenue	59
Commissions	15
Total non-GAAP SVB Securities revenue	74



See "Use of non-GAAP Financial Measures" in our Q4 2022 Earnings Release for more information. 
\*Primarily driven by non-marketable and other equity securities.



# **About SVB**

SVB is the financial partner of the innovation economy, helping individuals, investors and the world's most innovative companies achieve their ambitious goals. SVB's businesses - Silicon Valley Bank, SVB Capital, SVB Private and SVB Securities - together offer the services that dynamic and fast-growing clients require as they grow, including commercial banking, venture investing, wealth planning and investment banking. Headquartered in Santa Clara, California, SVB operates in centers of innovation around the world.

SVB Financial Group (Nasdaq: SIVB) is the holding company for all business units and groups. © 2023 SVB Financial Group. All rights reserved. SVB, SVB FINANCIAL GROUP, SILICON VALLEY BANK, SVB SECURITIES, SVB PRIVATE, SVB CAPITAL and the chevron device are trademarks of SVB Financial Group, used under license. Silicon Valley Bank is a member of the FDIC and the Federal Reserve System. Silicon Valley Bank is the California bank subsidiary of SVB Financial Group.

Investor Relations | 3005 Tasman Drive Santa Clara, CA 95054 | T 408 654 7400 | ir@svb.com



#### MESSAGE TO STAKEHOLDERS REGARDING RECENT STRATEGIC ACTIONS TAKEN BY SVB:

- Today we took strategic actions to strengthen our financial position repositioning SVB's balance sheet to increase asset sensitivity to take advantage of the potential for higher short-term rates, partially lock in funding costs, better protect net interest income (NII) and net interest margin (NIM), and enhance profitability.
- We have sold substantially all of our Available for Sale (AFS) securities portfolio with the intention of reinvesting the proceeds, and commenced an underwritten public offering, seeking to raise approximately \$1.75 billion between common equity and mandatory convertible preferred shares. As a part of this capital raise, General Atlantic, a leading global growth equity fund and longstanding client of SVB, has committed to invest \$500 million on the same economic terms as our common offering for a total raise of \$2.25 billion.
- Our financial position enables us to take these strategic actions, which are intended to further bolster that position now and over the long term.
- We are taking these actions because we expect continued higher interest rates, pressured public and private markets, and elevated
  cash burn levels from our clients as they invest in their businesses.
- We are experienced at navigating market cycles and are well positioned to serve our clients through market volatility, with a high-quality, liquid balance sheet and strong capital ratios.

### SVB IS A TRUSTED FINANCIAL PARTNER OF THE GLOBAL INNOVATION ECONOMY

For 40 years, we have helped investors, the world's most innovative companies, and the people behind them achieve ambitious goals.

We work across the technology and life science/healthcare industries, including private equity and venture capital, climate technology, biopharma, enterprise software, and fintech. Our exposure to crypto is de minimis.

We serve innovation companies from their earliest stages – before they get their first round of VC funding – all the way through and beyond their IPOs. We also serve their investors and founders. We are proud to bank nearly half of U.S. venture-backed technology and life science/healthcare companies.

Over the last several years, we've made significant progress deepening and expanding our four core businesses:

- Silicon Valley Bank global commercial banking
- SVB Private private banking and wealth management
- SVB Securities investment banking
- SVB Capital venture capital and credit investing

These investments have greatly enhanced our ability to meet our clients' needs at every stage and have also diversified our revenues. We leverage the combined power of our four core businesses to increase our clients' probability of success. Today, that involves helping them navigate the volatile markets facing the innovation economy.



1

### REPOSITIONING SVB'S BALANCE SHEET TO ENHANCE PROFITABILITY AND IMPROVE FLEXIBILITY

The sale of substantially all of our AFS securities will enable us to increase our asset sensitivity, partially lock in funding costs, better insulate net interest income (NII) and net interest margin (NIM) from the impact of higher interest rates, and enhance profitability.

We expect to reinvest proceeds from the AFS sale into a more asset-sensitive, short-term AFS Portfolio. To further strengthen balance sheet liquidity, we also plan to increase our term borrowings from \$15 billion to \$30 billion and hedge these borrowings to mitigate higher funding costs in the future. We expect these actions to better support earnings in a higher-for-longer rate environment, providing the flexibility to support our business, including funding loans, while delivering improved returns for shareholders.

While we will realize a one-time, post-tax earnings loss of approximately \$1.8 billion in connection with the sale, we expect the reinvestment of the proceeds to be immediately accretive to net interest income (NII) and net interest margin (NIM), resulting in a short payback period of approximately three years. As a result of these actions, we expect an approximately \$450 million post-tax improvement in annualized NII.

Taken together, these actions will further strengthen our capital position. We expect them to be immediately accretive to EPS (excluding the realized loss) and improve our return on common equity going forward.

We are confident that these are the right decisions for our profitability and financial flexibility, both now and for the long term.

### FINANCIAL POSITION TO WEATHER SUSTAINED MARKET PRESSURES

Our financial position enables us to take these strategic actions. SVB is well-capitalized, with a high-quality, liquid balance sheet and peer-leading capital ratios.

Even before today, we had ample liquidity and flexibility to manage our liquidity position, with one of the lowest loan-to-deposit ratios of any bank of our size, income from progressive securities paydowns, levers to manage our off-balance sheet client funds, and substantial borrowing capacity. The improved cash liquidity, profitability and financial flexibility resulting from the actions we announced today will bolster our financial position and our ability to support clients through sustained market pressures.

The vast majority of our assets are in high-quality, government and agency securities and low-credit-loss lending activities. We've demonstrated strong credit performance throughout cycles, and the risk profile of our loan portfolio has significantly improved over time, with strong expansion of the lowest-risk categories. Early-stage loans, our highest risk segment, today makes up only 3% of the portfolio.

Our flexible balance sheet and long experience navigating market cycles have enabled us to effectively support our clients over time and establish a longstanding reputation as a trusted partner in both good and challenging times.



2

### MID-QUARTER UPDATE SUPPORTS DECISION TO TAKE THESE ACTIONS NOW

During our public investor call in January, we forecasted a continued challenging market and interest rate environment. We expected continued slow public markets, further declines in venture capital deployment, and a continued elevated cash burn in the first half of 2023, with modest declines in the second half.

While VC deployment has tracked our expectations, client cash burn has remained elevated and increased further in February, resulting in lower deposits than forecasted. The related shift in our funding mix to more, higher-cost deposits and short-term borrowings, coupled with higher interest rates, continues to pressure NII and NIM.

During that period, we have also seen strong core fee income, consistent with our expectations, as the higher rate environment continues to support client investment fee margins. Credit also remains within our guidance. We continue to see healthy technology borrowing as clients opt for debt over equity, but loan balances overall remain pressured by Global Fund Banking paydowns due to slower VC and PE investment.

We have revised our guidance to reflect these changes in our expectations. We lowered our first quarter and full-year outlook for deposits, NII, NIM, SVB Securities and expenses, while increasing our full year outlook for core fee income. Our revised guidance assumes the current market dynamics impacting our business continue through the end of 2023.

While it impacts our guidance in the near term, we believe the repositioning of our balance sheet positions SVB for improved profitability in 2024 and beyond.

#### CONFIDENT IN THE FUTURE AND THE LONG-TERM TAILWINDS SUPPORTING SVB AND THE INNOVATION ECONOMY

SVB's business and the long-term tailwinds supporting the innovation economy remain healthy. Innovation drives economic growth, and we believe that the growth of the innovation economy will continue to outpace that of other industries over the long term.

Great companies have always been founded across business cycles, and the strong pace of our new client acquisition gives us reason to believe the same is happening now. PE and VC funds have record dry powder to invest and remain poised to put those funds to work once market conditions stabilize. While we believe VC deployment is likely to remain constrained for the near term, the innovation economy is also better positioned today to weather a downturn than in prior cycles, with generally stronger balance sheets and better business models.

The actions we are taking reinforce our commitment to remaining a strong financial partner to the innovation economy and supporting long-term client interests, regardless of economic cycles. We remain well positioned to support our clients through this cycle. Our client engagement remains high as the volatile market environment motivates our clients to seek our advice as a trusted partner to the innovation economy for four decades. Our strength and staying power give us the freedom and flexibility to lean in with our clients at times like these to help them work through their challenges.



3

Our conversations with clients give us confidence that activity will accelerate when entrepreneurs reset expectations on valuations, cash burn normalizes, and the public markets and interest rates both stabilize. At that point – when we see a return to balance between venture investment and cash burn – we will be well positioned to accelerate growth and profitability.

We believe we have the right strategy, a strong foundation, and a proven, recession-tested management team to successfully navigate this market cycle. We further believe these difficult actions we are taking show we are committed to supporting clients, employees and investors through this very challenging period and we are confident we can continue our record of strong growth and value creation in the long-term.

Greg Becker President and CEO

The issuer has filed a registration statement (including a prospectus and related preliminary prospectus supplements for the offerings) with the U.S. Securities and Exchange Commission (the "SEC") for the offerings to which this communication relates. Before you invest, you should read the preliminary prospectus supplements, the related base prospectus in that registration statement and the other documents the issuer has filed with the SEC for more complete information about the issuer and the offerings. You may get these documents for free by visiting EDGAR on the SEC's website at http://www.sec.gov. Alternatively, copies may be obtained by contacting your representative at Goldman Sachs & Co. LLC.

This communication should be read in conjunction with the preliminary prospectus supplements, and the related base prospectus.

svb)

4